

Metric Conversion Table

WHEN YOU KNOW

MULTIPLY BY

TO FIND

SYMBOL

LENGTH

| | | | |
|--------|------|-------------|----|
| inches | 2.54 | centimetres | cm |
| feet | 0.30 | metres | m |
| yards | 0.91 | metres | m |
| miles | 1.61 | kilometres | km |

AREA

| | | | |
|---------------|------|--------------------|-----------------|
| square inches | 6.45 | square centimetres | cm ² |
| square feet | 0.09 | square metres | m ² |
| square yards | 0.84 | square metres | m ² |
| square miles | 2.59 | square kilometres | km ² |

MASS

| | | | |
|------------------------|-------|-----------|----|
| ounces (avoir.) | 28.35 | grams | g |
| ounces (troy) | 31.10 | kilograms | kg |
| pounds | 0.45 | kilograms | kg |
| short tons (2000 lbs.) | 0.91 | tonnes | t |

VOLUME

| | | | |
|--------------|-------|--------------|----------------|
| fluid ounces | 28.41 | millilitres | ml |
| pints | 0.57 | litres | l |
| quarts | 1.14 | litres | l |
| gallons | 4.55 | litres | l |
| cubic feet | 0.03 | cubic metres | m ³ |
| cubic yards | 0.76 | cubic metres | m ³ |

TEMPERATURE

$$(^{\circ}\text{F} - 32) \times 5/9 = ^{\circ}\text{C}$$

1 degree Celsius (1°C) = 1/100 of the difference between the boiling and freezing points of pure water at sea level. 0°C is freezing point; 100°C is boiling point.

HINT: To convert °F to °C (Multiply degrees x 2) + 30

Example: 20 Celsius x 2 + 30 = 70° Fahrenheit

In metric, volume and weight and size are inter-related: 1 litre water weighs 1 kilogram and would fill a 10 centimetre cube. Similarly, 1 ml water weighs 1 g and equals 1 cm³ (cubic centimetre).

DRIVING SPEED

50 km/h is the speed limit on most urban streets. This equates to 30 mph.

80 or 90 km/h is the speed limit on most rural highways. These limits equate to 50 and 55 mph respectively.

100 or 110 km/h is the speed limit on most rural controlled access highways. These limits equate to 65 and 70 mph respectively.